INTERNATIONAL SEARCH REPORT

International application No. PCT/US0s/0597s

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B65G/ 15/80		
US CL : 198/844.1		
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols)		
U.S.: 198/844.1		
THE TOTAL AND TH		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
A - US 6,382,405 B1 (PALMAER) 07 M.	US 6,382,405 B1 (PALMAER) 07 MAY 2002.	
A US 6,360,881 B2 (STEBNICKI ET A	US 6,360,881 B2 (STEBNICKI ET AL.) 26 MARCH 2002.	
US 6,347,699 B1 (RAMSEY) 19 FEBRUARY 2002.		ALL
US 6,247,582 B1 (STEBNICKI ET AL.) 19 JUNE 2001.		ALL
US 4,394,901 A (ROINESTAD) 26 JULY 1983.		ALL
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Further documents are listed in the continuation of Box C. See patent family annex.		
A" document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
to be of particular relevance (E" earlier document published on or after the international filing date	to be of particular relevance Aprilor document published on or after the international filling data "X" document of particular relevance; the claimed invention cannot be	
'L" document which may throw doubts on priority claim(s) or which is	considered novel or cannot be considered to involve an inventive step when the document is taken alone	
cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive stem when the document is combined		
'O' document referring to an oral disclosure, use, exhibition or other means	considered to involve an inventive step when the document is combined other with one or more other such documents, such combination being ubvious to a person shilled in the art	
P ^o document published prior to the international filling date but later than the priority date claimed	i i	
Date of the actual completion of the international search Date of mailing of the international search report		
22 MAY 2008	200S 07 JUL 2003	
Jame and mailing address of the ISA/US Commissioner of Patents and Trademarks Authorized officer		
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